From the .TENT COOP	ERATION TREATY		
INTERNATIONAL SEARCHING AUTHORITY			
To: DAVID R. METZGER SONNENSCHEIN NATH & ROSENTHAL POST OFFICE BOX 061080	PCT		
WACKER DRIVE STATION, SEARS TOWER CHICAGO, IL 60606	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
	(PCT Rule 43bis.1)		
	Date of mailing (day/month/year) 15 APR 2005		
Applicant's or agent's file reference	FOR FURTHER ACTION		
8758PCT	Seo paragraph 2 below		
International application No. International filing date	e (day/month/year) Priority date (day/month/year)		
PCT/US04/21621 07 July 2004 (07.07.20	004) 07 July 2003 (07.07.2003)		
International Patent Classification (IPC) or both national classific	ation and IPC		
IPC(7): G06F 12/14 and US Cl.: 713/185			
Applicant			
CRYPTOGRAPHY RESEARCH			
1. This opinion contains indications relating to the following ite	ems:		
Box No. I Basis of the opinion			
Box No. II Priority			
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. IV Lack of unity of invention			
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI Certain documents cited			
Box No. VII Certain defects in the international a	pplication		
Box No. VIII Certain observations on the internation	Box No. VIII Certain observations on the international application		
2. FURTHER ACTION			
International Franchistry Examining Authority ("IPEA") &	de, this opinion will be considered to be a written opinion of the except that this does not apply where the applicant chooses an IPEA has notified the International Bureau under Rule 66. 1 bis (b) will not be so considered.		
mailing of Form PCT/ISA/220 or before the expiration of 22	ten opinion of the IPEA, the applicant is invited to submit to the nendments, before the expiration of 3 months from the date of months from the priority data, whichever expires later.		
For further entions see Ford DCT/ICA (220			
3. For further details, see notes to Form PCT/ISA/220.	July 15, 2005 May 7, 2005		
Name and mailing address of the ISA/ US	Authorized officer 21 / 100 0 Section		
Mail Stop PCT, Attn: ISA/US	for pursue killer		
Commissioner for Patents P.O. Box 1450	Andrew Caldwell		
Alexandria, Virginia 223 13-1450 Facsimile No. (703) 305-3230	Telephone No. 305-3900		
Form PCT/ISA/237 (cover sheet) (Jamiary 2004)			

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/21621

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
orm PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International app...ation No.
PCT/US04/21621

FC1/0304/21021	
Box No. IV Lack of unity of invention	
In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has: paid additional fees paid additional fees under protest paid additional fees under protest not paid additional fees This Authority found that the requirement of unity of invention is not complied with and chose not to invite the app to pay additional fees. 3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is complied with not complied with for the following reasons: See the lack of unity section of the International Search Report(Form PCT/ISA/210)	licant
 4. Consequently, this opinion has been established in respect of the following parts of the international application: all parts. the parts relating to claims Nos. 1-4 and 11 	

Form PCT/ISA/237 (Box No. IV) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International ap, __ation No. PCT/US04/21621

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N)	Claims NONE	YES	
	Claims 1-4, 11	No	
Inventive step (IS)	Claims NONE	YES	
Claims	Claims 1-4, 11	NO	
Industrial applicability (IA)	Claims 1-4, 11	YES	
Claims	Claims NONE	NO	

2. Citations and explanations:

Claims 1-4, and 11 lack novelty under PCT Article 33(2) as being anticipated by Schneck et al., US 6,314,409.

As for claim 4. Schneck teaches a method for regulating access to non-volatile digital storage contained in a device executing instructions in a Touring-complete interpreter (abstract), said method comprising: Receiving a request from said instructions being executed (fig. 11, items S1104, S1106, S1110), wherein said request specifies a portion of said storage for which access is requested (col. 11 Table 1), a plurality of additional executable instructions (col. 11 Table 1), applying a cryptographic hash function to said additional executable instructions to obtain a hash value (Col. 11 Table 1: "Authentication Hash"), Authentication said hash value (fig. 11 item S1110 "Integrity Checker"), and provided that said authentication is successful, enabling access to said requested portion of said storage while executing additional executable instructions (Fig. 12 item S1212, col. 7 lines 41-48, col. 15 lines 30-40, col. 19 lines 61-67, col. 20 lines 1-4).

As for Claim 2, Schneck teaches a step of authenticating that comprises comparing a hash value with a hash value stored in non-volatile memory (Col. 11 Table 1 "Authentication Hash", fig. 11 item S1110: "Integrity Checker", col. 20 lines 30-35).

As for claim 3 Schneck teaches a step of authenticating that comprises verifying a digital signature provided by said instructions being verified (col. 31 lines 20-25).

As for claim 4, Schneck does not explicitly teach the use of a pointer to additional executable instructions in memory accessible by said instructions being executed and contained in said device. However such a feature is inherent in the system of Schneck. For example col. 7 lines 21-25 teach an encrypted rule set stored in non-volatile memory along with content data and where the content data is accessible on in accordance with the rules. Col. 11 lines 1-3 teach header information that is navigated in accordance with a rule set.

As for claim 11, Schneck teaches an automated method for determining whether to allow a portion of software stored in a computer-readable memory to access a portion of non-volatile memory (abstract), the method comprising receiving a reference to said software (fig. 3), computing a cryptographic hash of said software portion (fig. 3 item 128: "Authentication Hash"), comparing said computed cryptographic hash with a value stored in said non-volatile memory (Fig. 11 item S1110), when said computed cryptographic has matches said stored value, allowing said software portion to access said non-volatile memory portion and when said computed cryptographic hash does not match said stored value, not allowing said software portion access to said non-volatile memory (Fig. 11 Item S1110, S1112, S1127).

Form PCT/ISA/237 (Box No. V) (Jamuary 2004)